Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/24/2021 08:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125053	0	1.14	124944	1.12
Blue	F	SSC	125000	124345	-1	2.28	124650	2.14
Blue	E	FITC	13131	12855	-3	2.22	295	15.76
Blue	D	PE	24112	23741	-2	1.63	544	10.51
Blue	B	PerCP-Cy5-5	31295	30831	-2	2.97	1022	14.29
Blue	A	PE-Cy7	19939	19711	-2	5.12	522	29.17
Red	C	APC	42122	41857	-1	2.88	1756	11.20
Red	A	APC-Cy7	22340	21723	-3	3.33	811	11.44
Violet	B	V450	7410	7089	-5	3.62	430	12.49
Violet	A	V500	28118	26803	-5	3.09	669	9.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23166	1.06	566	-3	N/A	N/A	Pass
Blue	F	SSC	58015	1.08	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0396	89	Pass
Blue	D	PE	114	37.06	487	-1	0.4783	370	Pass
Blue	B	PerCP-Cy5-5	189	35.67	583	-3	0.0207	86	Pass
Blue	A	PE-Cy7	105	68.12	625	-3	0.0222	2	Pass
Red	C	APC	406	24.19	578	2	0.0297	270	Pass
Red	A	APC-Cy7	181	27.05	552	1	0.0066	1072	Pass
Violet	B	V450	60	62.73	450	-3	0.0618	2268	Pass
Violet	A	V500	97	33.94	461	-4	0.0256	776	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.63	-31.38	1.17
Blue	20.34	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.40	13.60 - 20.40	N/A	N/A	29.86	30.05	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14950

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments